3. Disassembly and Reassembly

3-1 How to Load and Unload (Setting Mechanical Mode)

1. Set the power-supply output to approximately 3V.
2. Choose the polarity depending on whether loading or unloading. (See Table 3-1)
3. Supply the voltage to the Motor Loading.

Table 3-1

Drum side	Opposite side	Movement of chassis
+	–	Loading
–	+	Unloading

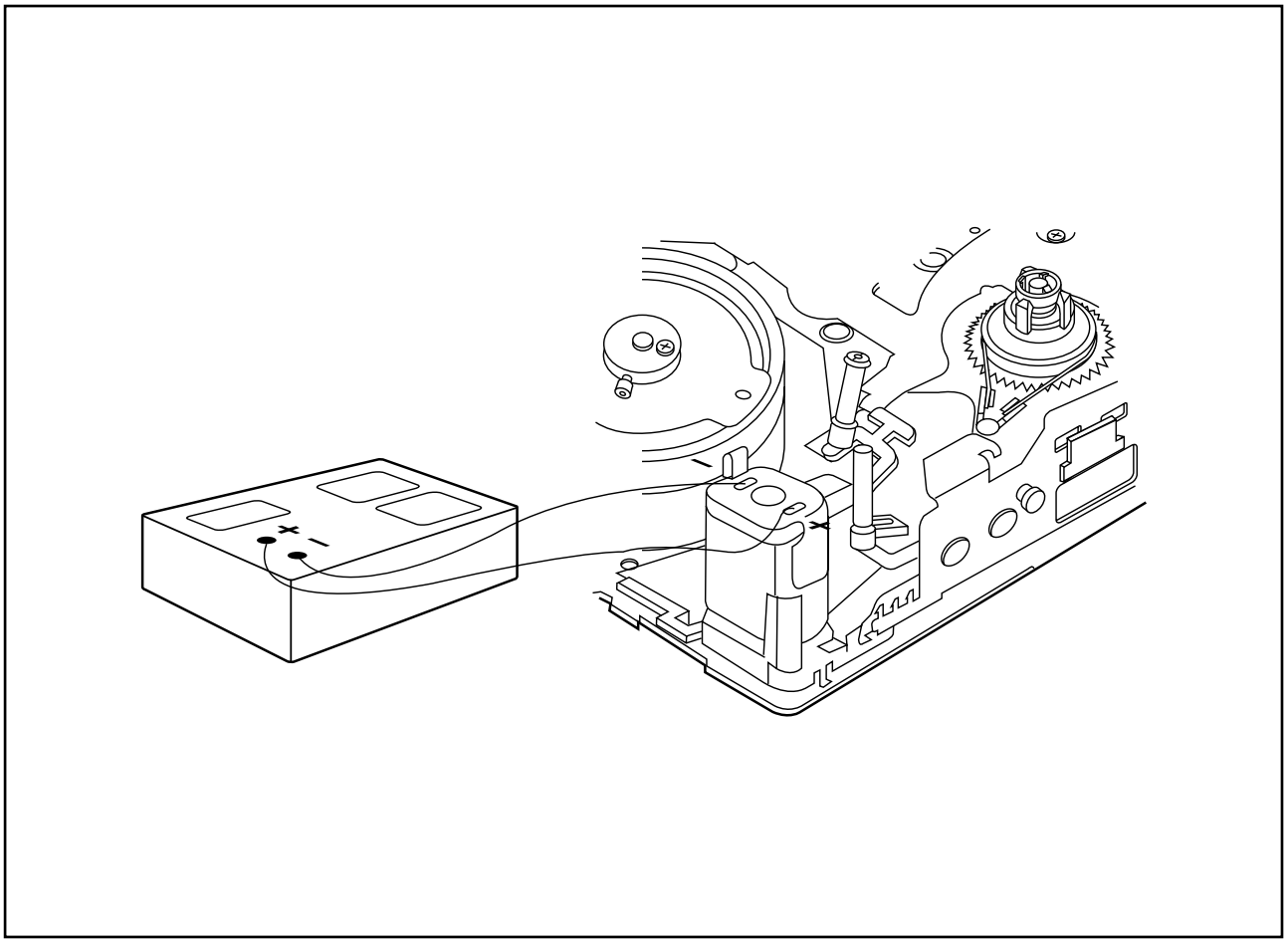

Fig. 3-1 Loading and Unloading

3-2 Housing

3-2-1 Disassembly

To disassembly the Housing Assembly :

1. Press the lever (see arrow, figure “A”). Turn the Lever Lock 1 in the direction of arrow “B”.
2. Unlock the hook of the Roller Sub 2 and then separate the Lever 3 from the Sub Deck.
3. Separate the Arm L 4 and Arm R 5 from the Pin Arm 6 and lift the Housing Ass’y.

3-2-2 Reassembly

1. Mount the Arm L 4 and Arm R 5 to Pin Arm 6 .
2. Mount the Roller Sub 2 to the Sub Deck. Then put the hook into the slot, while sliding it as shown in figure “B”.

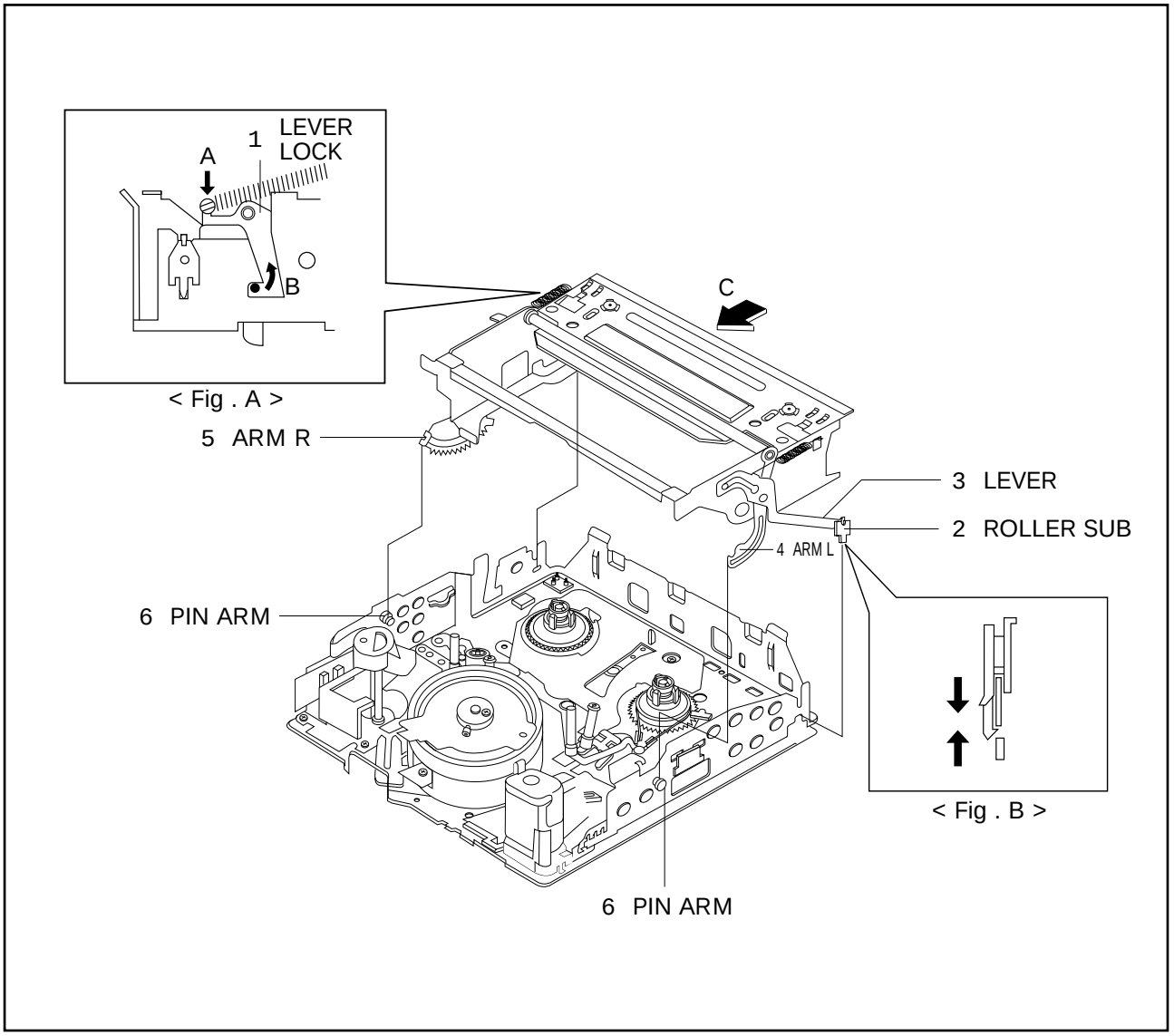

Fig. 3-2 Housing

3-3 Drum

3-3-1 Disassembly

Note : Be extremely careful when removing the Drum 3 . Do not touch the Head tip 4 during servicing.

1. Remove 3 screws 2 , then lift the Drum Ass'y 3 .

3-3-2 Reassembly

1. Mount the Drum Ass'y 3 to the Main Chassis 1 and then secure with 3 screws 2 .

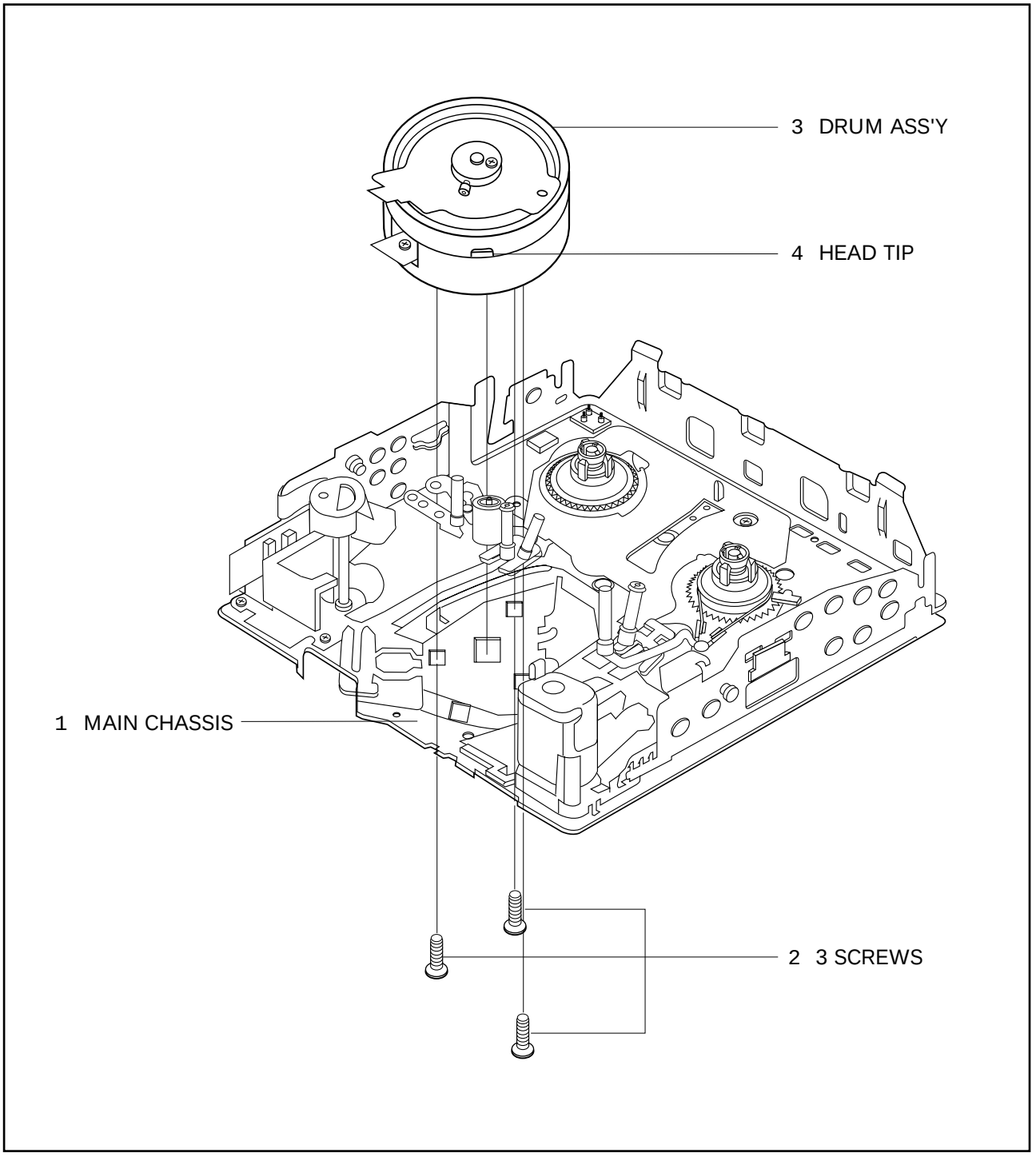

Fig. 3-3 Drum

3-4 Idler & Holder FPC

3-4-1 Disassembly

1. Remove 2 screws 1 , then lift the Cover Reel Ass'y 2 in the direction of arrow.
2. Lift the Idler Ass'y 3 from the Pin 4 .
3. Remove 1 screw 5 , then lift the Holder FPC 6 .

3-4-2 Reassembly

1. Fit the Idler Ass'y 3 into the Pin 4 .
2. Mount the Cover Reel Ass'y 2 to the Deck Ass'y in the reverse direction of arrow.
3. Secure with 2 screws 1 .
4. Mount the Holder FPC 6 and then secure with 1 screw.

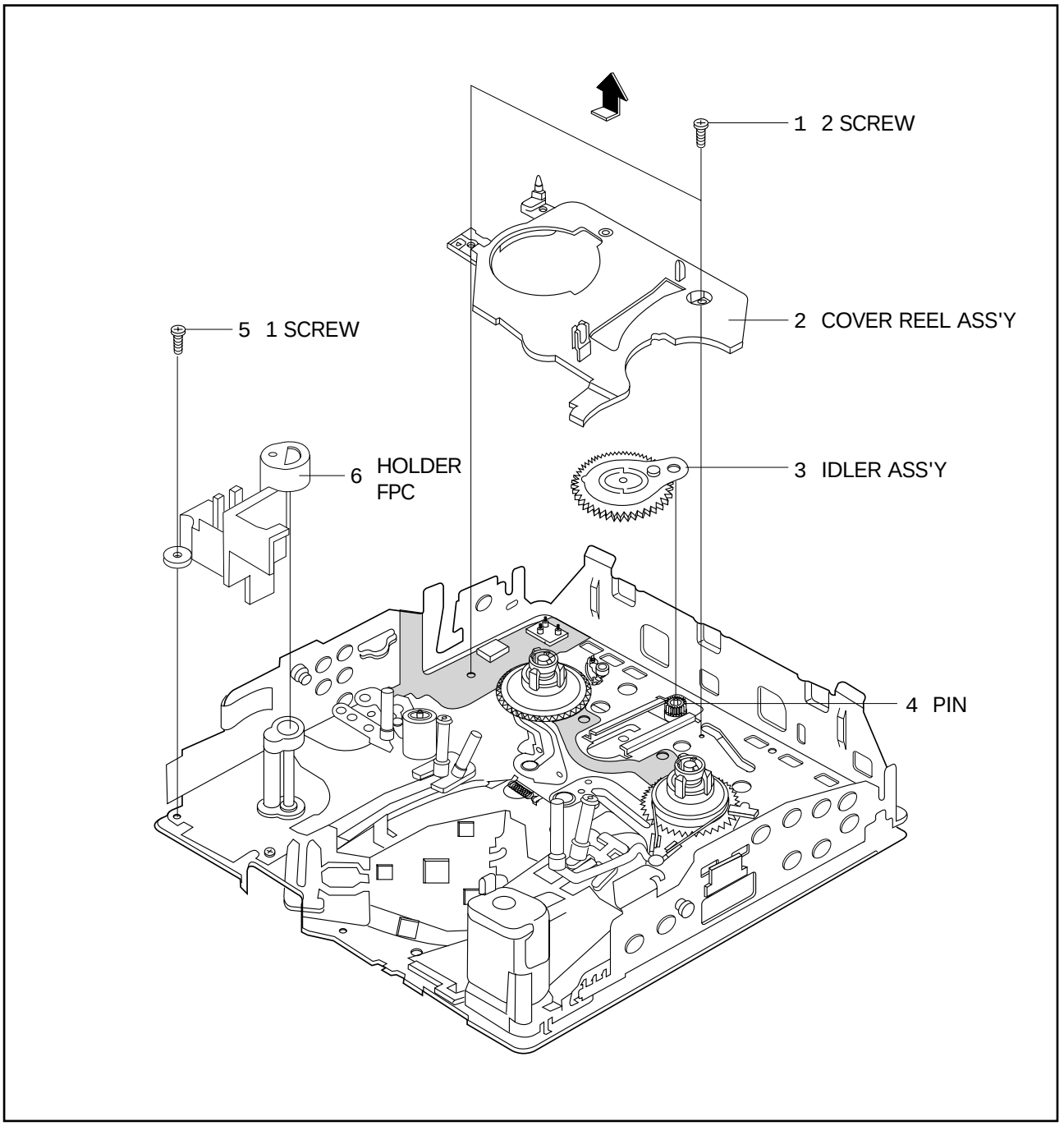

Fig. 3-4 Idler & Holder FPC

3-5 Sub Deck

3-5-1 Disassembly

Note 1 : When disassembling, take care not to damage any other parts, Do not stain the roller and poles with oil or grease.
Note 2 : Always remove the Sub Deck Ass'y when Deck Ass'y is in unload mode.

1. Remove 2 screws 1 .
2. Lift the Sub Deck Ass'y 2 from the Main Deck Ass'y 3 .

3-5-2 Reassembly

1. Align the Main-Base Hole with the Lever-Cam Hole as shown in Fig. A.
2. Push the Pole-Base T 9 and the Pole-Base S 0 in the direction of arrows "A, B".
3. Push the Arm Tension Ass'y 7 in the direction of arrow "C" and then push it downward.
4. Insert the 2 BOSS 4 of Sub Deck Ass'y 2 into the 2 Rails 5 of Main Deck Ass'y 3 .
5. Fit the Sub Deck Ass'y 2 to the Guide Pin 9 of Main Deck Ass'y 3 .
6. Install the Sub Deck Ass'y 2 with 2 screws 1 .

Note : After assembling the Sub Deck Ass'y 2 , make sure that the Sub Deck Ass'y loads and unloads cor-rectly by applying 3V to the Motor Loading.

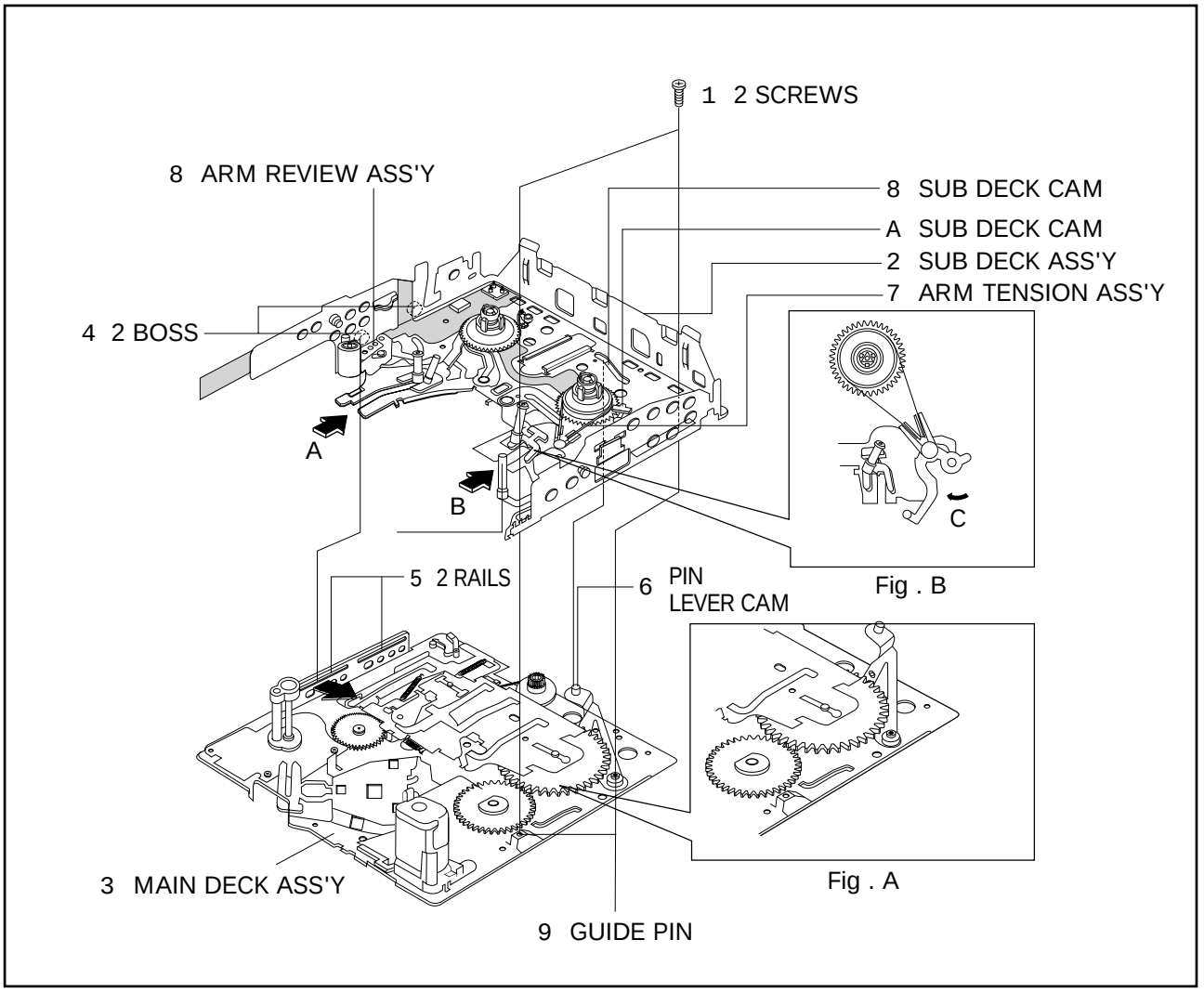

Fig. 3-5 Sub Deck

3-6 Pole Base S, T

Note 1 : When assembling or disassembling, do not deform the Link Loading T 4 , S 5 .
Note 2 : Do not stain the roller or post.

3-6-1 Disassembly

1. Move the Pole-Base S Ass'y 1 toward arrow "A", then remove it from Link Loading S 5 (arrow "B").
2. Push the Pole Base T Ass'y 2 (arrow "D"). then remove it from Link Loading T 4 .

3-6-2 Reassembly

1. Insert the Pole Base S Ass'y 1 into Link Loading S 5 : Turn it (reverse of arrow "B") and put it on the Sub Deck Ass'y 3 ; then push it (reverse of arrow "A").
2. Insert the Pole-Base T Ass'y 2 into the Link Loading T 4 : Turn it (reverse of arrow "E") and put it on the Sub Deck Ass'y 3 ; then push the Pole-Base T Ass'y 2 (reverse of arrow "D").

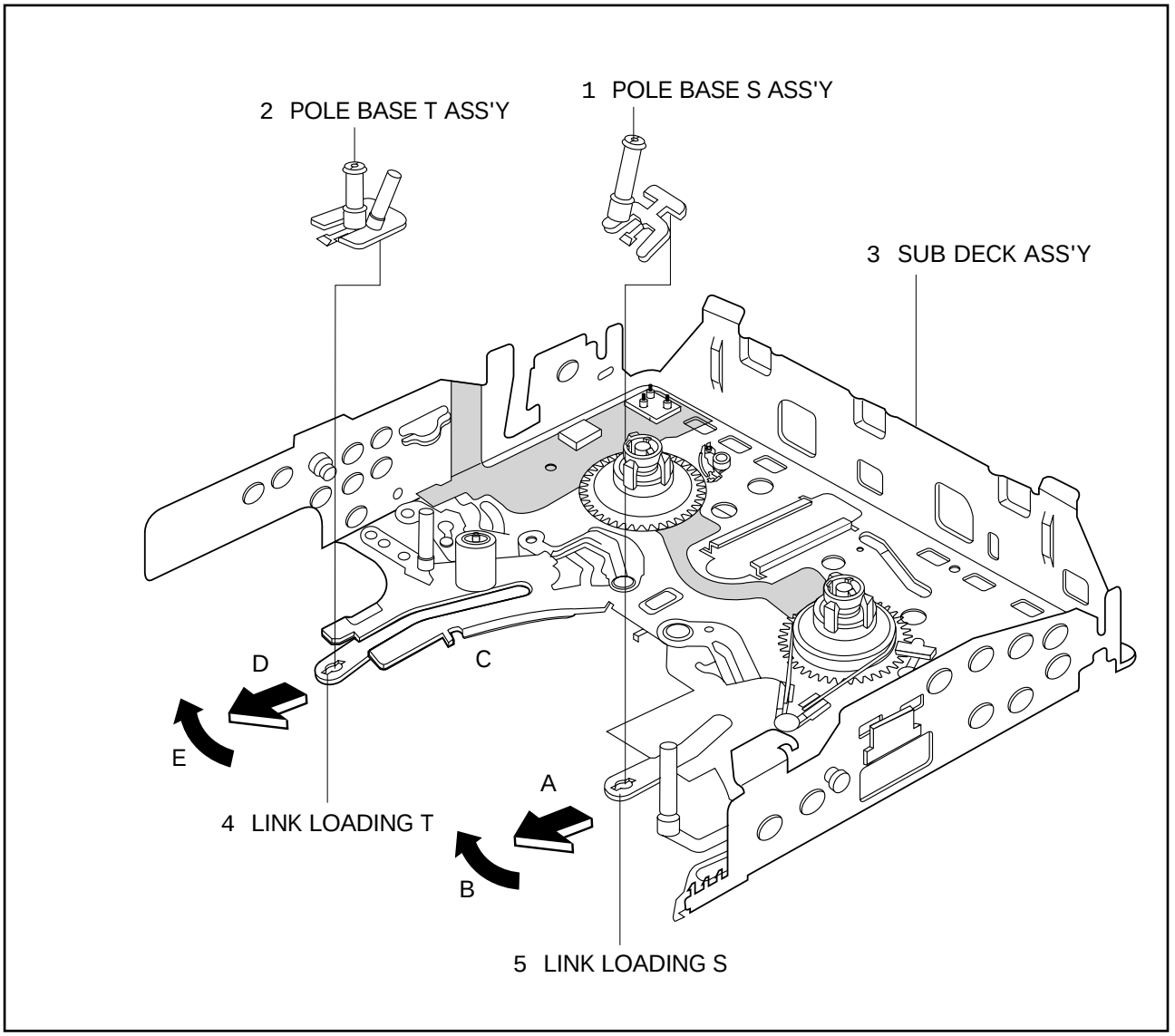

Fig. 3-6 Pole Base S, T

3-7 Arm Pinch Roller and Arm Review

Note : When disassembling or assembling, do not deform the parts. Do not stain the roller or poles.

3-7-1 Disassembly

1. Turn the Arm Review Ass'y 1 in the direction of arrow "B" and lift it to remove. (Fig. A)
2. Lift the Spring Arm Review Ass'y 1 from the Sub Deck Hole 3 .
3. Push the Arm Pinch Roller Ass'y 2 (arrow "C") and lift it to remove.

3-7-2 Reassembly

1. Insert the Arm Pinch Roller Ass'y 2 into the Bush 4 and then push it in the reverse direction of arrow "C".
2. Insert the Arm Review Ass'y 1 into the Bush 5 and push it (reverse of arrow "B").

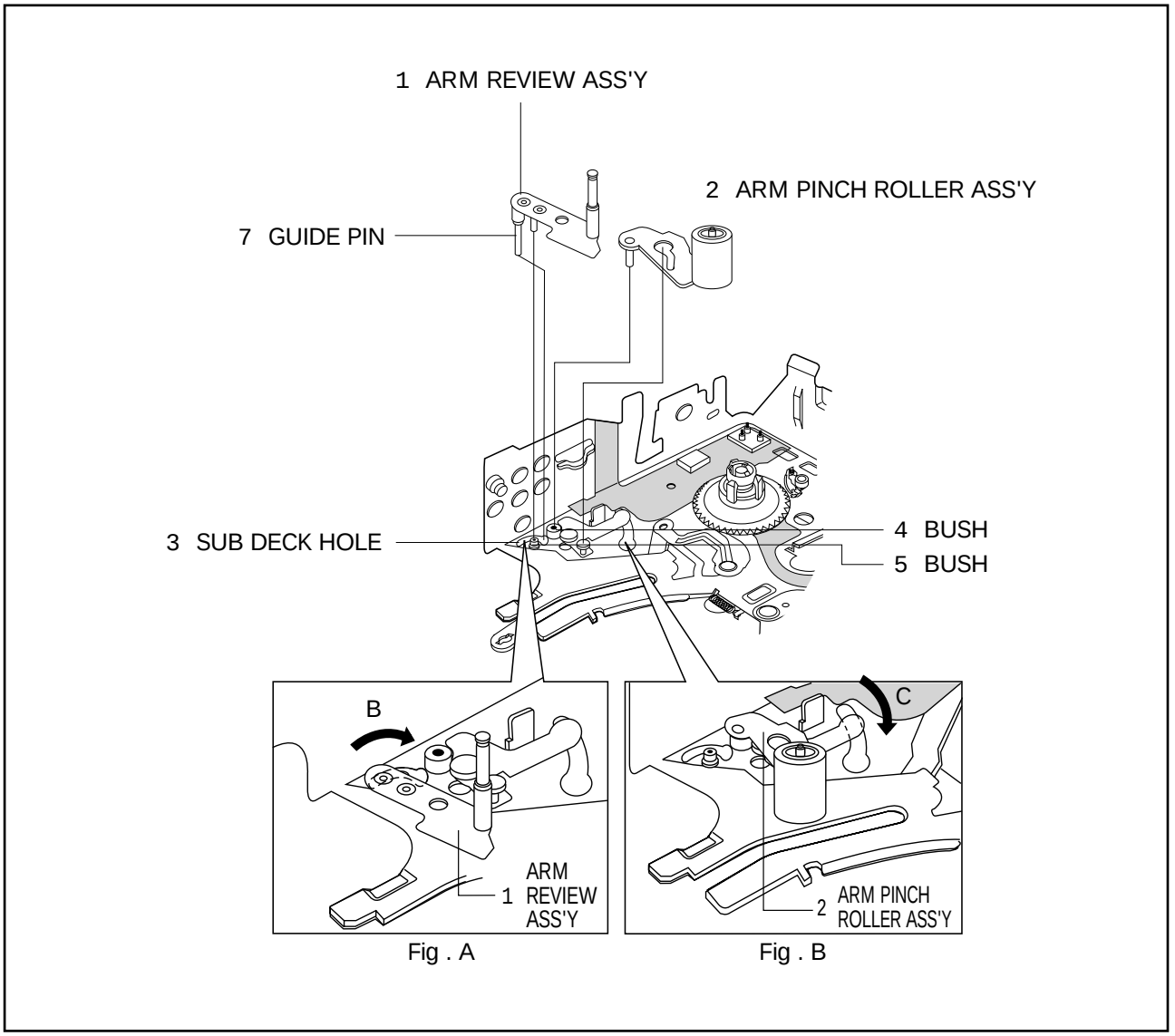

Fig. 3-7 Arm Pinch Roller and Arm Review

3-8 Arm Tension

3-8-1 Disassembly

1. Push the Arm Tension Ass'y 2 (arrow "A") and then remove the Spring Tension 1 .
2. Push the Arm Tension Ass'y 2 (arrow "A") to the end, and then lift it (reverse of arrow "A").

3-8-2 Reassembly

1. Insert the Pin Arm Tension 5 into the Sub-Deck Guide Hole 6 .
2. Push the Arm Tension Ass'y 2 (arrow "A") and install it.
3. Insert the Spring Tension 1 into the Spring Hook 4 .

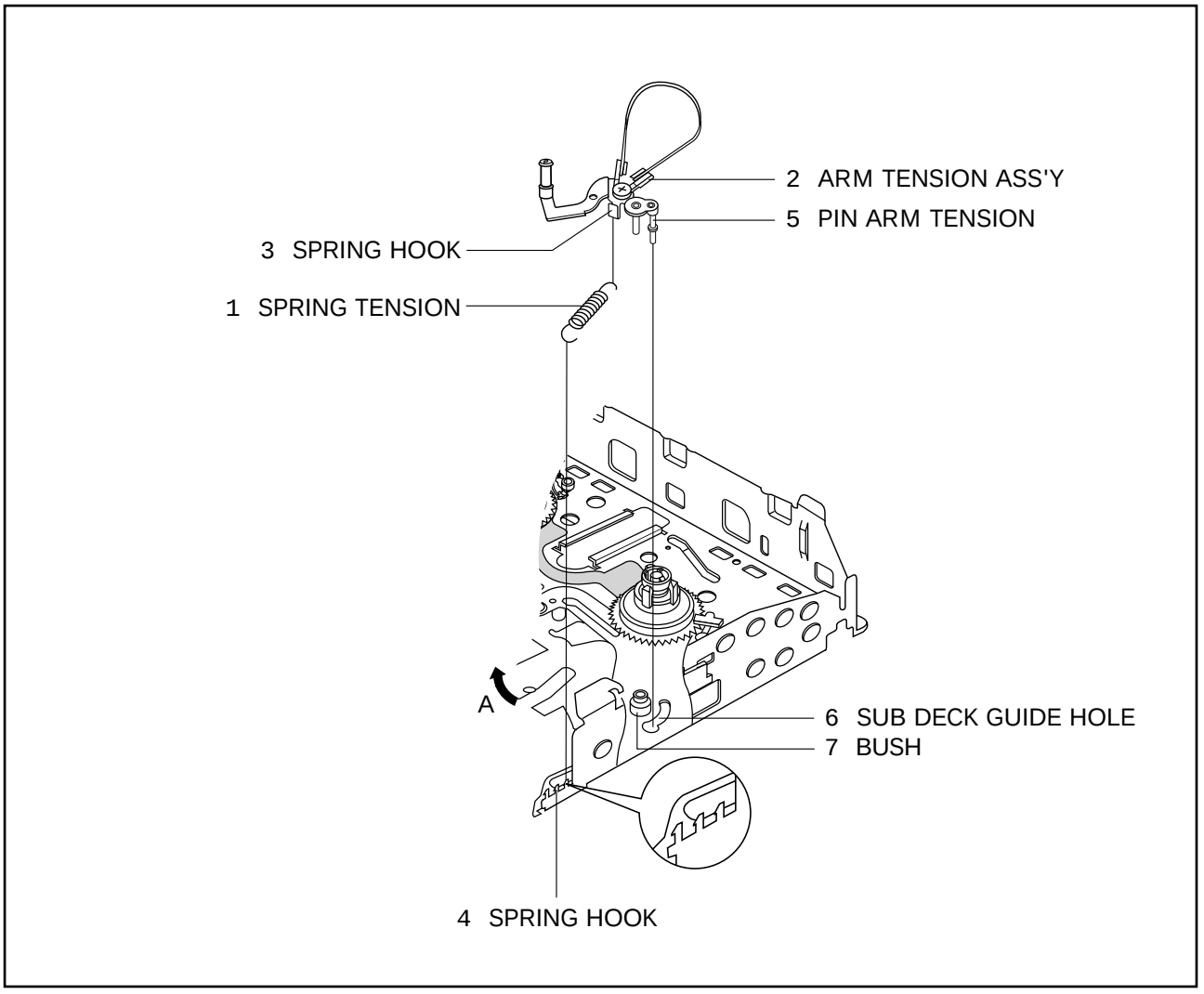

Fig. 3-8 Arm Tension

3-9 Reel (S, T), Brake Sub S Ass'y, Brake Soft T

3-9-1 Disassembly

1. Remove the Spring Brake Sub S 1 from the Spring Hook 2 , 3 .
2. Push Brake Sub S Ass'y 5 (arrow "A") and lift the Reel S Ass'y 4 .
3. Push Brake Sub S Ass'y 5 (reverse of arrow "A") and then lift it.
4. Lift the Brake Soft T 6 and Reel T Ass'y 7 .

3-9-2 Reassembly

1. Mount the Reel T Ass'y 7 .
2. Mount the Brake Soft T 6 .
3. Insert Brake Sub S Ass'y 5 , and push it (arrow "A"). Mount the Reel S Ass'y 4 .
4. Hang the Spring Brake Sub S 1 in the Spring Hook 2 , 3 .

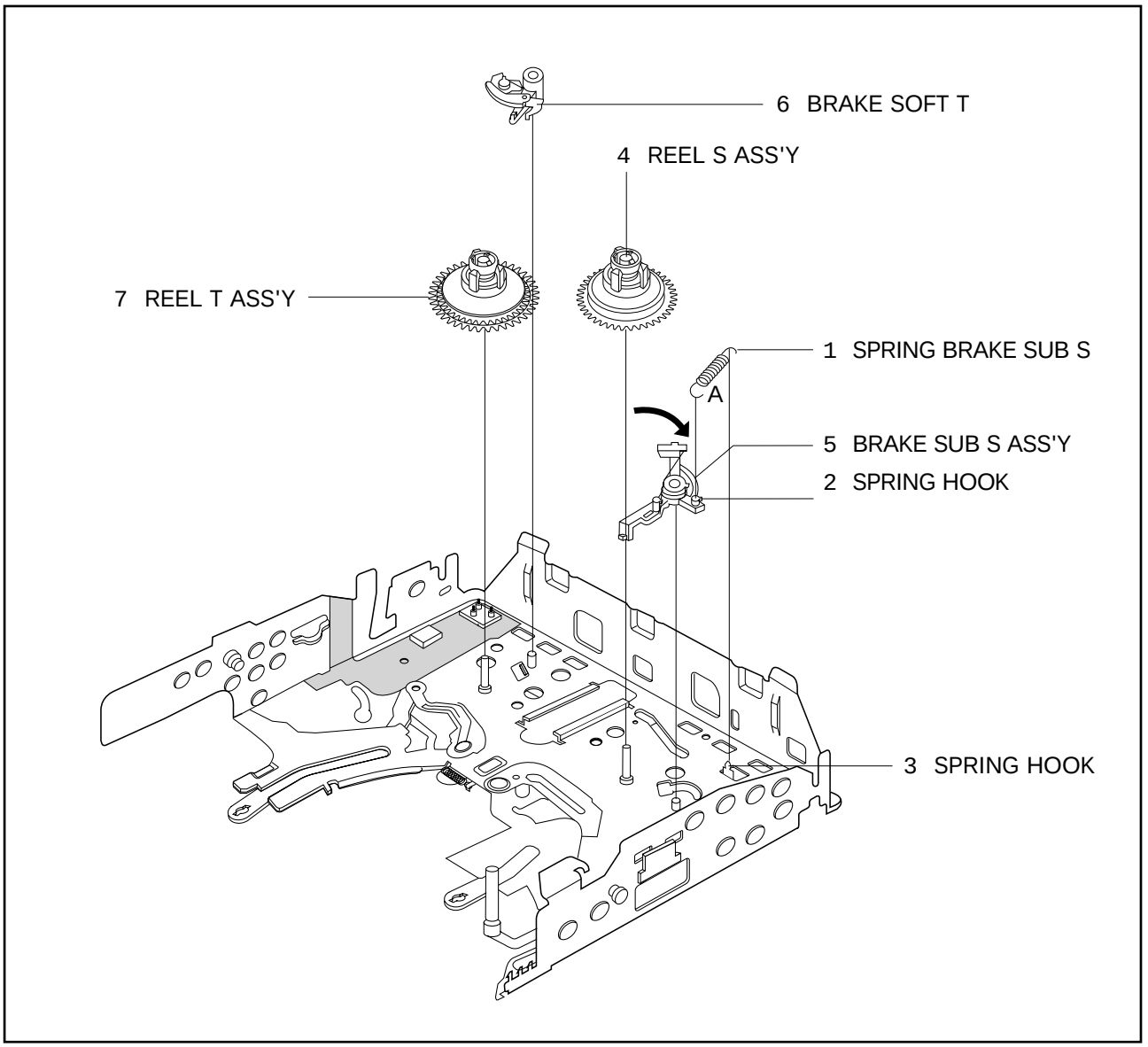

Fig. 3-9 Reel (S, T), Brake Sub S Ass'y, Brake Soft T

3-10 Motor Loading, Gear Loading

3-10-1 Disassembly

1. Remove 2 screw 1 and the 2 Hooks 2 .
2. Lift the Motor Loading Ass'y 3 to remove.
3. Lift the Gear Loading 6 .

3-10-2 Reassembly

1. Mount the Gear Loading 6 .
2. Mount the Motor Loading Ass'y 3 so that the 1 Boss 4 and 2 Hooks 2 of the Motor-Loading Ass'y 3 are inserted into the Main Base.
3. Secure 2 screw 1 .

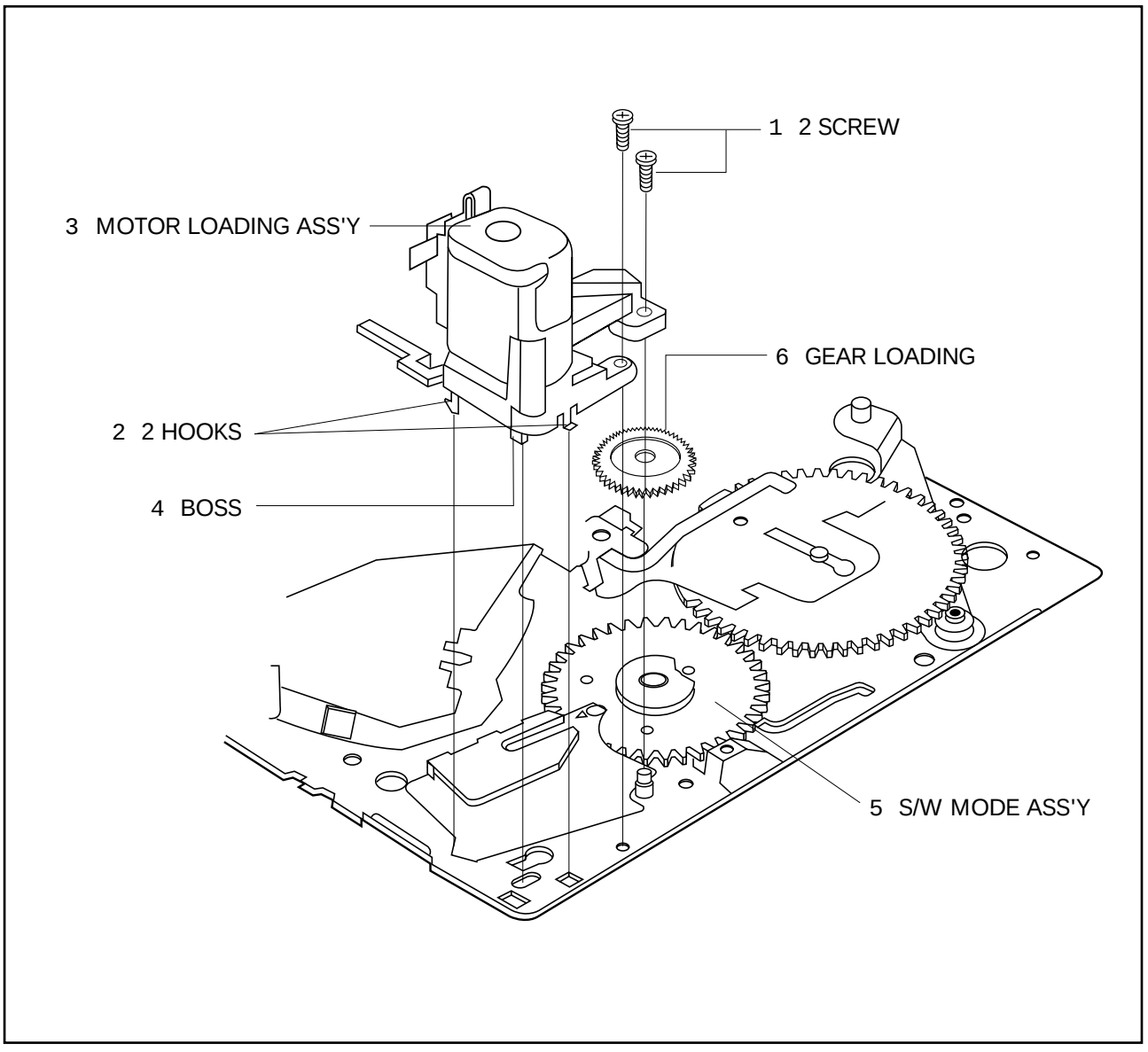

Fig. 3-10 Motor Loading, Gear Loading

3-11 Motor Capstan, Lever Eject, Slider Main

3-11-1 Disassembly

1. Remove 2 screws 1 and lift the Motor Capstan 2 .
2. Turn the Gear Cam Main 5 (arrow “A”) to the end, Then turn the Lever Eject 3 (arrow “B”) and lift it.
3. Turn the Gear Cam Main 5 (reverse of arrow “A”).
4. Remove the Slider Main Ass’y 4 . (arrow “C”)

3-12-2 Reassembly

Reassemble in reverse order.

Note : When reassembling the Gear Cam Main 5 , Align the timing point of the Gear Mode S/W. (See Fig. A)

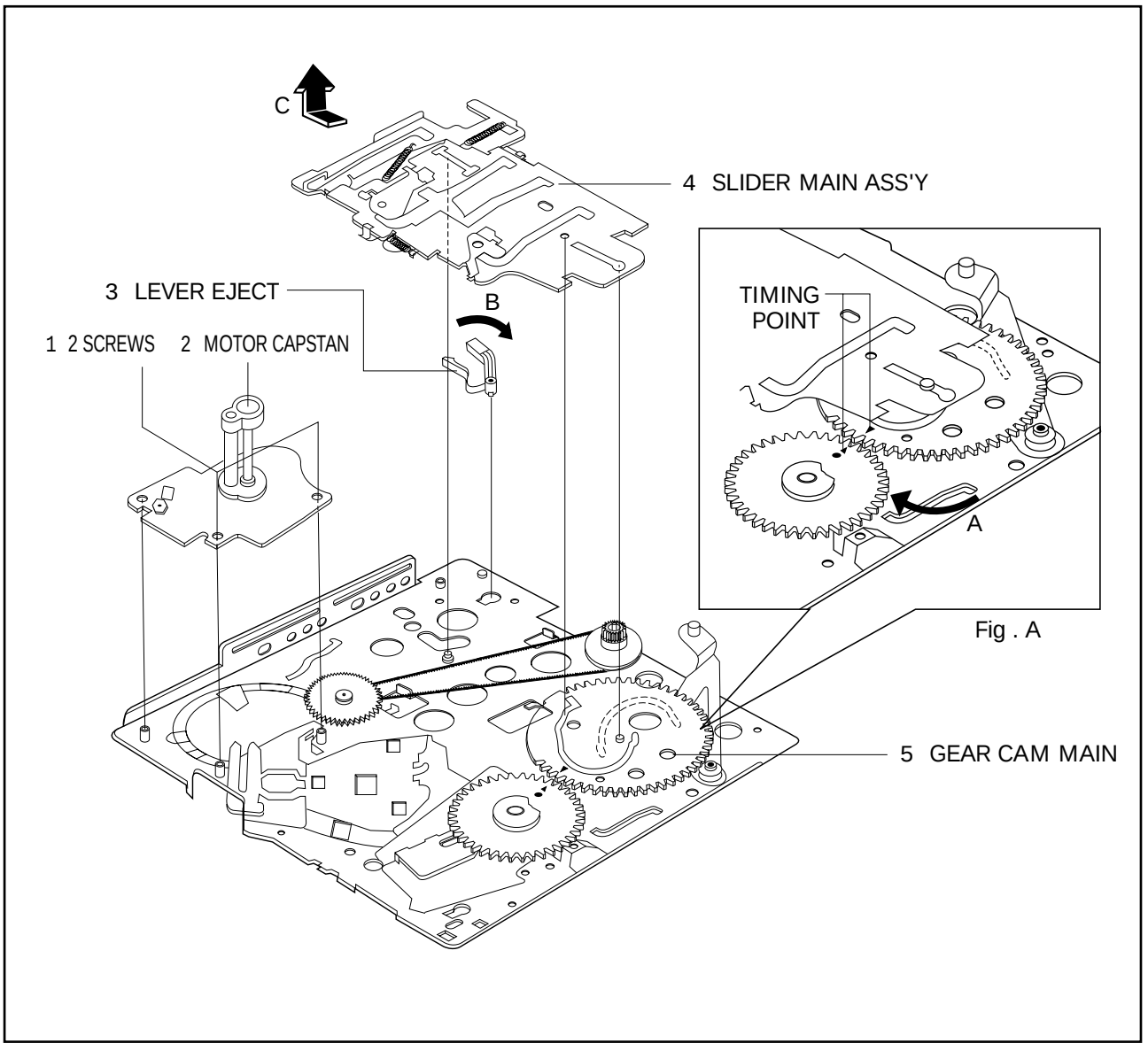

Fig. 3-11 Motor Capstan, Lever Eject, Slider Main

3-12 Gear Capstan, Gear Pulley Ass'y, Belt Timing, Gear Cam Main, Lever Cam

3-12-1 Disassembly

1. Remove the Washer Slit 1 . Then lift the Gear Capstan 2 .
2. Remove the Belt Timing 3 . Then lift the Gear Pulley Ass'y 4 .
3. Lift the Gear Cam Main 5 and the Lever Cam 6 .

Note : When reassembling the Gear Cam Main 5 , Align the timing point of the Gear Mode S/W. (See Fig. A)

3-12-2 Reassembly

1. Mount the Gear Pulley Ass'y 4 on the main base. Then hang the Belt Timing 3 to the Gear Pulley Ass'y 4 .
2. Mount the Gear Capstan 2 so that the Belt Timing 3 is hung to the Gear Capstan 2 .
3. Install the Washer Slit 1 .
4. Insert the Lever Cam 6 into the Pin 7 .
5. Align the hole of the Lever Cam 6 with the Timing hole "A" of the Main Base .
6. Align the hole of the Gear Cam Main 5 with the Timing hole "B" of the Main Base. Then mount the Gear Cam Main 5 .

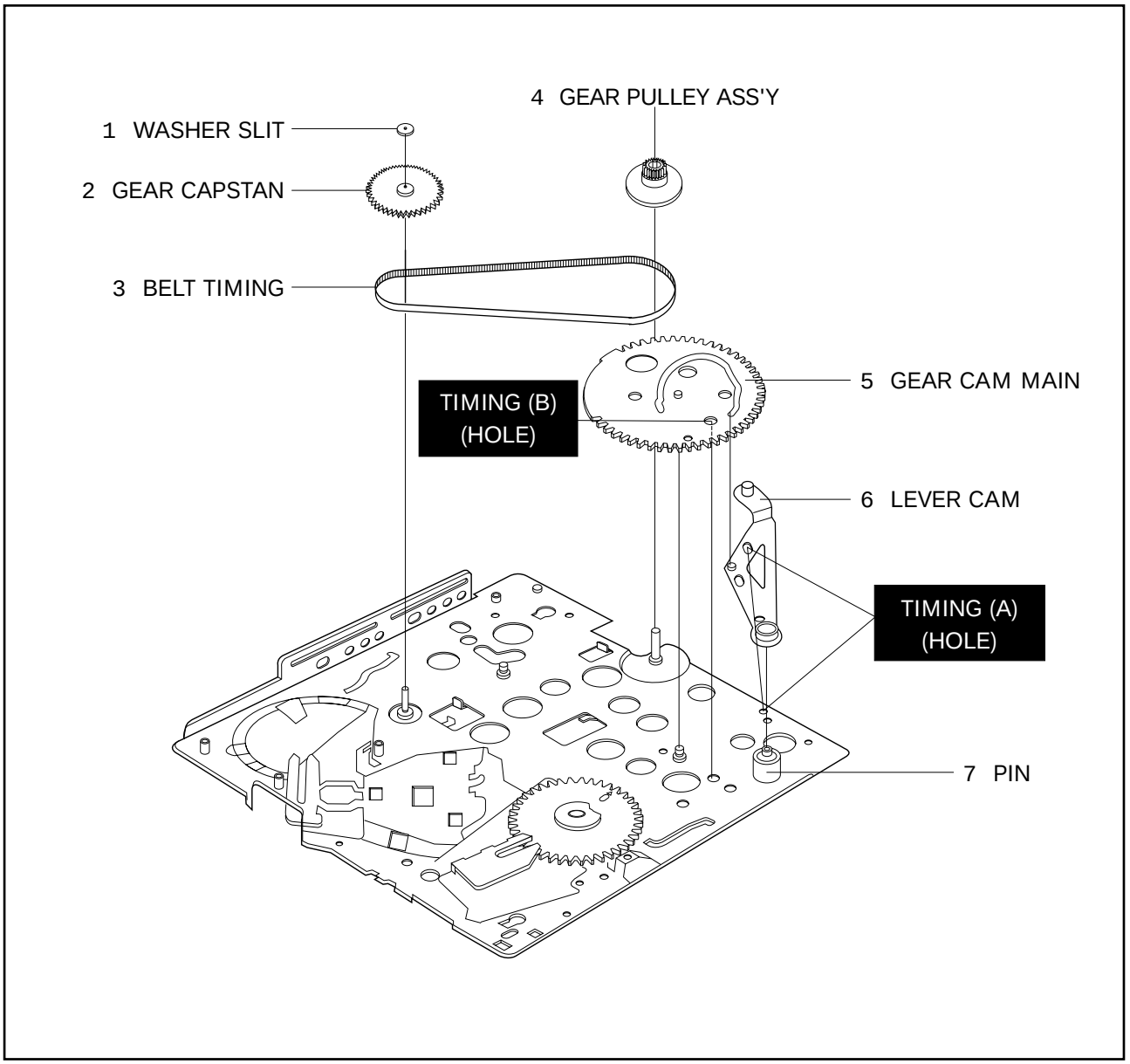

Fig. 3-12 Gear Capstan, Gear Pulley Ass'y, Belt Timing, Gear Cam Main, Lever Cam